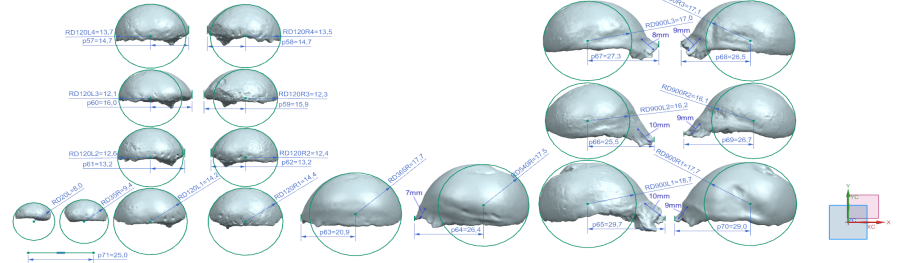
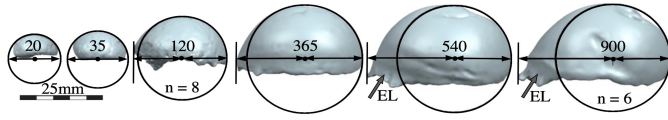


Epiphyseal Elongation [mm]

Age [Days]	Elongation
120 1R	0.00
120 2R	0.80
120 3R	3.60
120 4R	1.20
120 1L	0.00
120 2L	0.60
120 3L	3.90
120 4L	1.20
Mean	1.61
SD	1.52

Age [Days]	Elongation
900 1R	11.30
900 2R	10.60
900 3R	9.40
900 1L	11.00
900 2L	9.30
900 3L	10.30
Mean	10.32
SD	0.82



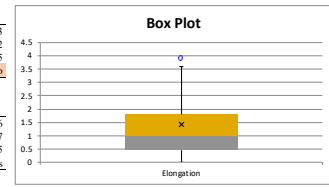
Epiphyseal Elongation 120 to 900 Days

Test For Normality 120 Day
Descriptive Statistics

Elongation	
Mean	1.4125
Standard Err	0.5360029
Median	1
Mode	0
Standard Dev	1.51604514
Sample Vari	2.29839286
Kurtosis	-0.3745268
Skewness	1.06254712
Range	3.9
Maximum	3.9
Minimum	0
Sum	11.3
Count	8
Geometric M	#NUM!
Harmonic M	#NUM!
AAD	1.16875
MAD	0.7
IQR	1.35

Shapiro-Wilk Test

Elongation	
W-stat	0.81724853
p-value	0.04365322
alpha	0.05
normal	no
d'Agostino-Pearson	
DA-stat	2.05988456
p-value	0.35702757
alpha	0.05
normal	yes

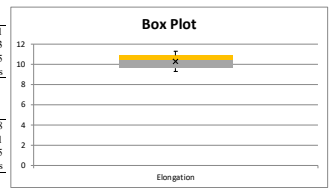


Test For Normality 900 Day
Descriptive Statistics

Elongation	
Mean	10.3166667
Standard Err	0.33607208
Median	10.45
Mode	#N/A
Standard Dev	0.82320512
Sample Vari	0.67766667
Kurtosis	-1.7779317
Skewness	-0.2841819
Range	2
Maximum	11.3
Minimum	9.3
Sum	61.9
Count	6
Geometric M	10.2889448
Harmonic M	10.2809439
AAD	0.65
MAD	0.7
IQR	1.275

Shapiro-Wilk Test

Elongation	
W-stat	0.91581521
p-value	0.47574293
alpha	0.05
normal	yes
d'Agostino-Pearson	
DA-stat	1.15620668
p-value	0.56096131
alpha	0.05
normal	yes



Epiphyseal Elongation 120 to 900 Days

Mann-Whitney Test for Two Independent Samples

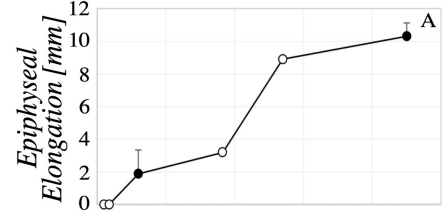
Elongation		Elongation		Difference
count	6	6	8	
median	10.45	1	9.45	
rank sum	69	36	48	
U				
one tail		two tail		
alpha	0.05			
U	0			
mean	24			
std dev	7.73744996			
z-score	3.10179712			
effect r	0.82899015			
U-crit	11.2730274	8.83487675		
p-value	0.00096175	0.0019235		
sig (norm)	yes	yes		
U-crit	10	7		
sig (table)	yes	yes		
p-value	0.000333	0.000666		
sig (exact)	yes	yes		

Calculate the 95% CI

Hodges-Lehmann estimation for the difference betweenpopulation medians						
(m-n) table						
	11.30	10.60	9.40	11.00	9.30	10.30
0.00	11.30	10.60	9.40	11.00	9.30	10.30
0.80	10.50	9.80	8.60	10.20	-0.80	9.50
3.60	7.70	7.00	5.80	7.40	-3.60	6.70
1.20	10.10	9.40	8.20	9.80	-1.20	10.10
0.00	11.30	10.60	9.40	11.00	0.00	9.70
0.60	10.70	10.00	8.80	10.40	-0.60	9.70
3.90	7.40	6.70	5.50	7.10	-3.90	6.40
1.20	10.10	9.40	8.20	9.80	-1.20	9.10

Calculate the 95% CI

alpha	0.05
U-crit	8.00
lower	5.50
upper	10.50
median	9.35
U-crit+	9.00
alpha	0.00
lower	5.80
upper	10.40



The average epiphyseal elongation increased from 120-days-old (Mdn = 1.0 mm) to 900-days-old (Mdn = 10.45 mm). A Mann-Whitney test indicated this difference (9.45 mm) was statistically significant, 95% CI [5.50, 10.50], U(6) = 6, N(120) = 8, z = 3.10, P < .001, with a large effect size $f = .83$.